



BEAM
CropTech

ENLIGHTENING AGRICULTURAL INNOVATION



10th Seed Congress of the Americas

Promoting the Seed Business
in the Americas





Carlos Crocco

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Academic & Professional Background

- **PhD in Plant Molecular Biology** – University of Buenos Aires
Focus: plant photobiology
- **Postdoctoral Researcher** – University of Geneva
Specialization in UV-B responses in plants
- **Researcher at CONICET (Argentina's National Scientific Council)** - *Plant photobiology research*
- **Professor** – Faculty of Agronomy, University of Buenos Aires
Genetics course, BSc in Biotechnology program
- **Co-Founder & CSO** – BEAM CropTech

What sets BEAM apart is our unique focus on **light-response mechanisms** in plants. While most biotech solutions concentrate on pest resistance or input reduction, we address the plant's core energy-conversion process: **photosynthesis.**



PHOTOSYNTER™

Maximizing Plant Efficiency for Sustainable Growth

Single-gene expression-based technology

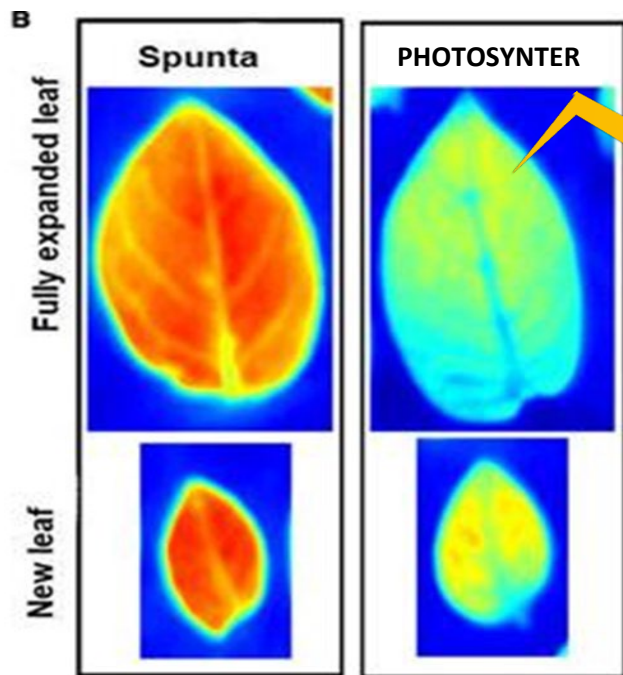


Our innovation acts like **sunscreen** when applied at the right time. By protecting plants during peak sunlight hours, we allow them to continue efficiently **photosynthesizing**.



PHOTOSYNTER promote Photoprotective Compounds in leaves

Potato Leaves



Higher sunscreen accumulations



More protection to high irradiances



Prevents the drop in photosynthetic rates during midday, maintaining a stable and high photosynthesis curve.



Extra energy for growth and improvement



Crocco et. al., 2018. Plant Physiology
USPTO Patent US11535858B2

What we achieved with **PHOTOSYNTER**

Higher yields



We **increase** crop yields by

10-16%

under optimal conditions

Adaptability



We **improved** crop yields by

25%

under water stress

Sustainability



We **boosted** CO₂ capture by

22%

Key project stages



Business strategy

OUR BUSINESS MODEL IS B2B

Our clients are the world's leading seed companies. We transform their elite varieties, **we are crop agnostic.**



When seed companies distribute seeds containing our technology to farmers, we will receive royalties.

Seed optimizing contract

Royalties contract



Business strategy

WHY SEED COMPANIES CHOOSE US?

Benefits for seed companies:

1. A better product to gain **market share**.
2. **Outsourced** transformation/breeding **process**.
3. **Trazability** against illegal selling.
4. Outsourced **market deregulation**.



WHY FARMERS WILL CHOOSE PHOTOSYNTER SEEDS?

Benefits for farmers:

1. **More yield** in the **same acres** and doing the **same job**.
2. Plants with **more defenses** against environmental threats.
3. Acces to **carbon market** = extra money.

Strategic Alliances

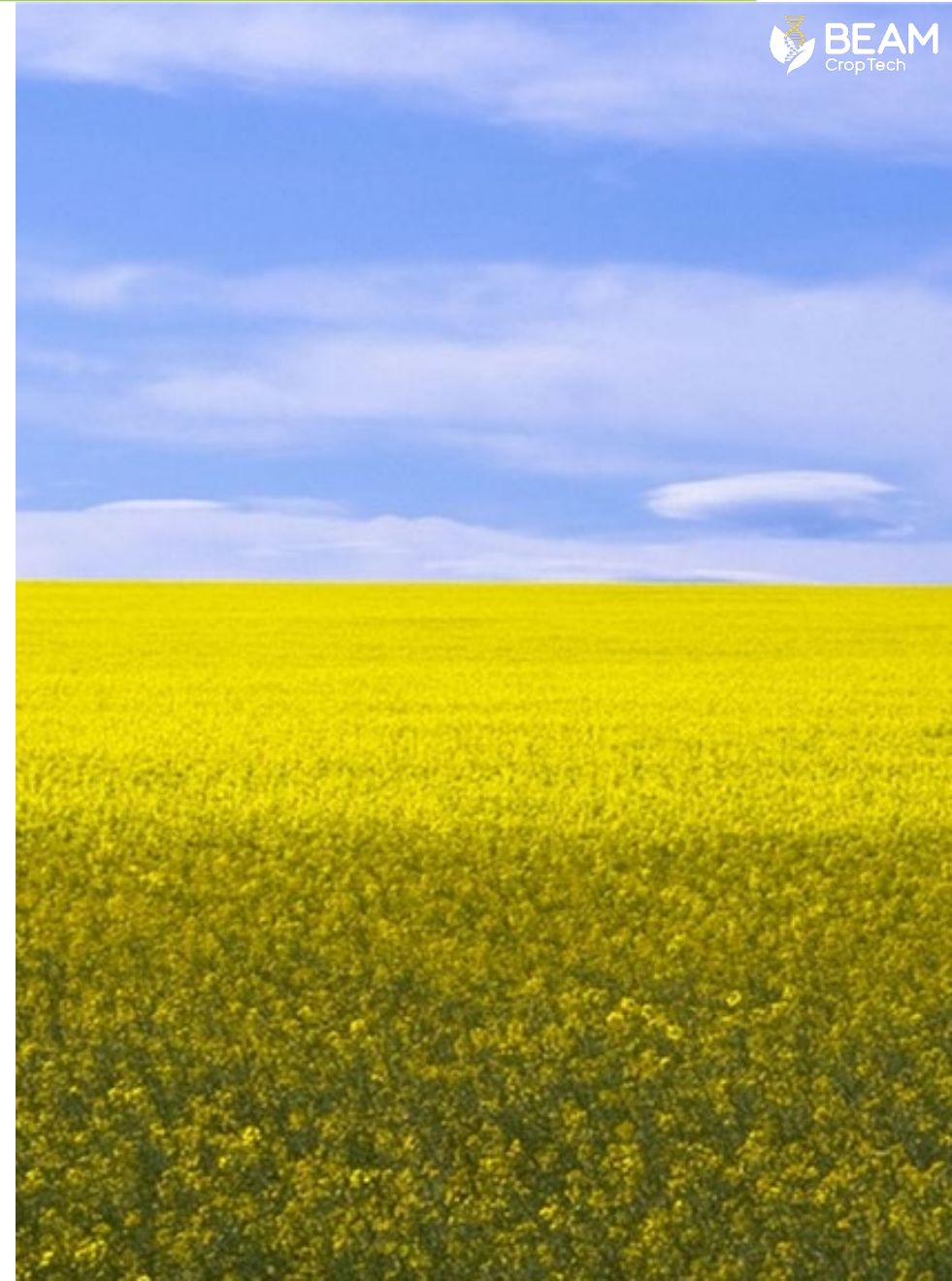
COMMERCIAL VALIDATION



CURRENT INVESTORS

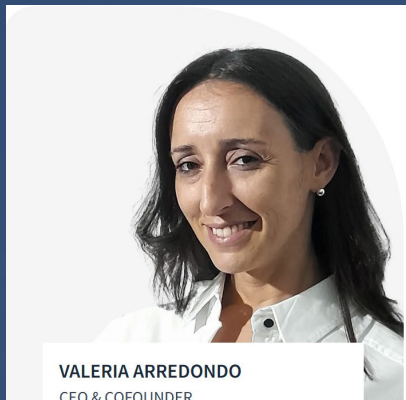


SCIENTIFIC PARTNERS



OUR TEAM

FOUNDERS



VALERIA ARREDONDO
CEO & COFOUNDER

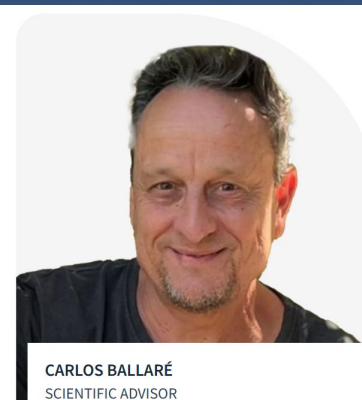


CARLOS CROCCO
CSO & COFOUNDER

ADVISORS



CARLOS BECCO
STRATEGY ADVISOR



CARLOS BALLARÉ
SCIENTIFIC ADVISOR

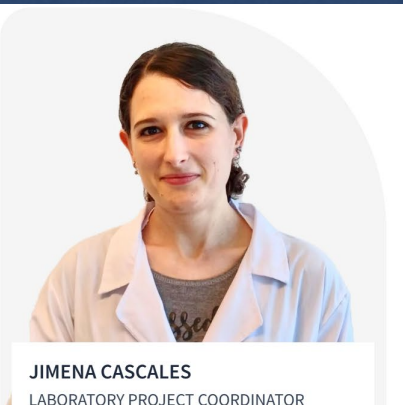


GUILLERMO TORANZOS TORINO
FINANCIAL ADVISOR

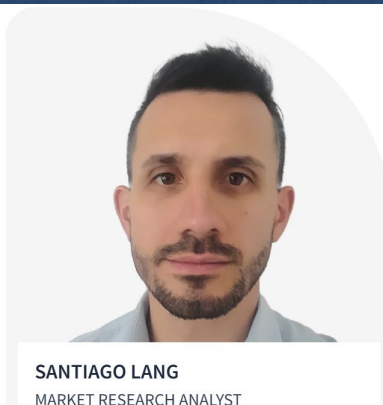
ON BOARD



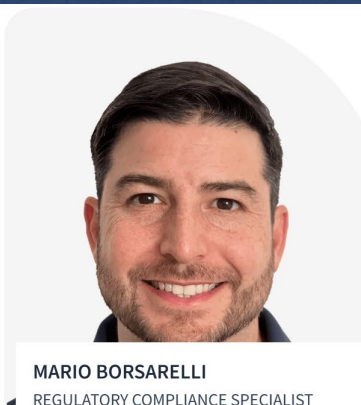
PAULINA ZINGONE
FINANCIAL ACCOUNTANT



JIMENA CASCALES
LABORATORY PROJECT COORDINATOR



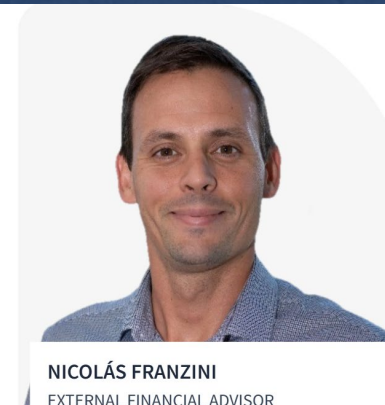
SANTIAGO LANG
MARKET RESEARCH ANALYST



MARIO BORSARELLI
REGULATORY COMPLIANCE SPECIALIST



**JOSE IGNACIO ARIZNABARRETA
FOSSATI**
DATA ANALYTICS MANAGER



NICOLÁS FRANZINI
EXTERNAL FINANCIAL ADVISOR

INTERNATIONAL PRESENCE

Beam CropTech

- 📍 Holding - C Corp
- ⚙️ Soft landing St. Louis - MI
(Tech Services – Field trials – Fundraising)



- 📍 Buenos Aires, Argentina
- ⚙️ Lab facilities . Field Trials





Together, we can enhance
agricultural productivity, address the
challenges of **climate change**, and
contribute to **global food security**.



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